CLAIM AMENDMENTS

1. (Currently Amended) A method comprising:

capturing an optical image to form raw data indicative of the optical image;

using values in a look-up table to transform the raw data into transformed data indicative of a second image;

computing a white color balance of the second image; and

modifying the values in the look-up table based on the computed white color balance and the values.

2. (Original) The method of claim 1, further comprising repeating the using, computing and modifying until the computed white color balance is at an acceptable level.

3. (Original) The method of claim 1, further comprising repeating the using, computing and modifying for a predetermined number of iterations.

4. (Original) The method of claim 3, wherein the number of iterations depends on whether the capturing is used to capture a still image or video.

5. (Original) The method of claim 1, further comprising:

modifying the transformed data to compensate for differences in responses to the optical image between the image sensor and a human eye.

6. (Original) The method of claim 5, further comprising:

modifying the result of the modification of the transformed data to convert the result into a predetermined color space.

7. (Original) The method of claim 1, further comprising:

before the transformation, modifying the raw data to interpolate pixel colors.

8. (Currently Amended) An image processing circuit comprising:

an image sensor to capture an optical image to form raw data indicative of the optical image;

a look-up table storing values to transform the raw data into transformed data indicative of a second image;

a white color balance circuit to compute a white color balance of the second image; and

a second circuit to modify the values in the look-up table based on the computed white color balance and the values.

9. (Original) The image processing circuit of claim 8, wherein, for a single capture by the image sensor, the second circuit repeatably modifies the values in the look-up table and uses the white color balance circuit to compute the white color balance until the computed white color balance is at an acceptable level.

10. (Original) The image processing circuit of claim 8, wherein, for a single capture by the image sensor, the second circuit repeatably modifies the values in the look-up table and uses the white color balance circuit to compute the white color balance for a predetermined number of iterations.

11. (Original) The image processing circuit of claim 8, wherein the number of iterations depends on whether the capturing is used to capture a still image or video.

12. (Original) The image processing circuit of claim 8, further comprising:

a color correction circuit to modify the transformed data to compensate for differences in responses to the optical image between the image sensor and a human eye.

13. (Original) The image processing circuit of claim 8, further comprising:

a color space conversion circuit to convert the transformed data into a predetermined color space.

14. (Original) The image processing circuit of claim 8, further comprising:

an interpolation circuit to modify the raw data to interpolate pixel colors.

15. (Original) The image processing circuit of claim 8, wherein the image processing circuit comprises a camera.

16. (Currently Amended) An article comprising a storage medium readable by a processor-based system, the medium storing instructions to cause a processor to:

use values stored in a look-up table to transform raw data provided by an image sensor into transformed data that indicates an image,

compute a white color balance of the image, and

modify the values in the look-up table based on the computed white color balance and the values.

17. (Original) The article of claim 16, the instructions causing the processor to repeatably modify the values in the look-up table and compute the white color balance until the computed white color balance is at an acceptable level.

18. (Original) The article of claim 16, the instructions causing the processor to repeatably modify the values in the look-up table and computer the white color balance for a predetermined number of iterations.